

Municipality/Organization: Town of Durham

EPA NPDES Permit Number: NHR041006

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MaDEP Transmittal Number: W-

**Annual Report Number
& Reporting Period:** No. 1: March 03-March 04



NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Michael Lynch **Title:** Public Works Director

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Certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: 

Printed Name: Todd Selig

Title: Town Administrator

Date: 4/29/04

Part II. Self-Assessment

The Town of Durham has complied with all our goals for 2003 with the exception of a couple of items which have been modified to adjust to Town conditions. The following is an overview of all six minimum control measures.

Public Education and Outreach - Over the passed year the Town of Durham has taken an active role in educating its local government and citizens about the New Stormwater II regulations, as well as the Stormwater Management Plan for Durham. We have attained all our goals and then some for this year. We now are faced with coordinating with the University of New Hampshire (UNH) so we do not duplicate public information. We will continue to educate our residents and student populations.

Public Participation/Involvement – The Town of Durham has exceeded our goals for this year on all its designated areas. We will continue to encourage public participation.

Illicit Discharge Detection and Elimination – The Town had one goal for this BMP, for this year and it was to implement the beginnings of our mapping system. Currently we have received our GIS base map and have scheduled the data collection for all of our outfalls this summer we hope to have our mapping complete by December of this year. We have also developed a draft ordinance for Durham this year which is also ahead of schedule.

Construction Site Storm Water Runoff Control – In year one Durham had only one goal for this BMP, it was to collect information, to develop draft language for the development of an ordinance. Durham has exceeded this goal by developing and submitting to local Boards a draft ordinance. We hope to get all comments back this year and in year three enact the ordinance.

Post Construction Runoff Control – Durham had no goals for the first year under this BMP.

Pollution Prevention/Good Housekeeping – Durham is still in flux with our Pollution prevention plan. Our funding for the first year has been less than expected. We have increased our sweeping program and are setting up our mapping program to identify our storm drainage system for cleaning and maintenance. We are behind on this but we are continuing to develop a more comprehensive plan in the coming year.

Part III. Summary of Minimum Control Measures

1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
1 Revised	Develop Educational Resources	Michael Lynch Public Works Director	1) Stormwater article as part of newsletter 2) Airing of Stormwater video	UNH – within our MS4 distributed flier to all student population on stormwater management.	Will continue to implement stormwater articles in Durham news letter. Will start to see private groups become involved.
2 Revised	Implement Educational Activities	Michael Lynch Public Works Director	1) Stormwater article as part of newsletter 2) Airing of Stormwater video	Durham has focused on educating on specific stormwater segments this year. This year we focused on animal waste do to our park areas..	We hope to generate our own town flier this year as well as continue working with the University to educate our community.
3 Revised	Storm Drain Stenciling	Michael Lynch Public Works Director	1) The town directly did not do any stenciling The University did stenciling within Durham's MS4 area.	Do to the large demand for this BMP though out the seacoast communities, the Town of Durham did not take part in stenciling this year as we have in the past the University did a large effort which included some of Durham's area.	We will continue put effort into the stenciling program and hope to take a more direct role in this year's efforts.
4 Revised	Stormwater II Informational Flier	Michael Lynch Public Works Director	This was scheduled for year two, and we are still on track with that Time frame	Have evaluated the flood of fliers being sent out by surrounding communities we will be generating our own this year for local distribution. Targeting local concerns with stormwater runoff.	Plan to distribute to local citizens.
5 Revised	Stormwater Video Airing on Town's Cable Channel	Robert Levesque Town Engineer	We have had two scheduled airings this year already, and will continue to air on our local cable access channel	We are ahead of schedule for this BMP by having aired it this year. We have had good response to the video and will continue airing though next year.	Durham will continue to air this video over the next year.

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
1 Revised	Create Citizen Committee/Organization	Robert Levesque PE Town Engineer	1) Committee is in place and have made Presentation on Durham's Stormwater Management Plan to Committee	We have exceeded our goals for this year the Committee has embraced the idea of working with the Town to increase awareness within the community.	We are encouraging the establishment of a larger group called BORWWP which will oversee Oyster River and Bellamy River Watersheds.
2 Revised X	Establish a Relationship with UNH cooperative Extension	Michael Lynch Public Works Director	1) This year the UNH Cooperative Ext. was overwhelmed with requests, UNH it self used the group to do stenciling this year	Because of the large request to the Cooperative Extension from surrounding communities for the stenciling program Durham did not sponsor and event on its own. However UNH did hold a stenciling program which included some of Durham's storm drains.	We hope to be on this years Cooperative Extension's list of communities they will stencil. We will continue with this program on a regular basis.
3 Revised X	Establish Public Strom Water Flier for Public Distribution	Michael Lynch Public Works Director	1) We are ahead of schedule with this item we have distributed an article on animal waste this year.	Over the year we have collected a large amount of information on Stormwater, but because so much in the area has been released we are looking at focusing on specific topics each year instead of an all encompassing flier.	We will continue to evaluate the effectiveness of this type of campaign to educate the public, and get them involved this year we intend to continue each year with a different stormwater message
4 Revised	Public Meeting – Town Council Presentation	Michael Lynch Public Works Director	This was completed on June 16, 2003	We have made presentations to the major boards this year Town Council, Planning Board.	We will continue to update local boards on Stormwater Management Plan.
5 Revised	Community Watershed Cleanups	Michael Lynch Public Works Director	UNH office of sustainability sponsored and Oyster River cleanup, Durham disposed of materials	In the spring of last year UNH sponsored an Oyster River cleanup.	We will continue to help with any organization which sponsors cleanups. This year we have the Sandy Point Discovery Center – Sponsoring an Oyster River Cleanup.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
1	Stormwater Map	Robert Levesque PE Town Engineer	1) We have developed our base map for our GIS system.	This goal is going just as planned.	We have scheduled outfall data collection for this coming summer and hope to have a finished product by December this year.
Revised					
2	Stormwater Ordinance	Robert Levesque PE Town Engineer	We are ahead of schedule for this goal Durham has developed a Draft Ordinance that is currently under review	This goal is a year ahead of schedule and is under review.	Hope to get reviewed and considered for implementation this year. Most probably enacted mid 2005.
Revised					

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
1	Collect Ordinance / Regulatory Information	Jim Campbell Town Planner	Durham has far surpassed this goal; a draft ordinance has been drafted and presented to Planning Board for review.	We are continuing to develop revisions to the ordinance and hope to pass on to Council for review this year.	Durham hopes to get all the revisions done and accepted by Town boards this year, for year 3 adoption.
Revised					

5. Post-Construction Stormwater Management in New Development and Redevelopment

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
	Durham had no Goals for this BMP this past year.	Robert Levesque Town Engineer	No goals set.	No goals set	Durham will start to evaluate BMPs that can be used in our geographical area.
Revised					
Revised					

6. Pollution Prevention and Good Housekeeping in Municipal Operations

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 1 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 2
1	Develop Pollution Prevention Plan	Michael Lynch Public Works Director	We have not totally formulated a pollution prevention plan to date; lack of funds has been an issue for this.	Durham has been working on its Pollution prevention plan and we have formulated ideas we have not formally implemented a plan to date. We have purchased a new sweeper and have developed a sweeping schedule which increases sediment removal.	Durham intends to start our catch basin cleaning program in 2005 on an annual basis.
Revised X			We have increased our sweeping this year.		

Part IV. Summary of Information Collected and Analyzed

No data has been collected to date.

Part V. Program Outputs & Accomplishments (OPTIONAL)

Programmatic

Stormwater management position created/staffed	(y/n)	n
Annual program budget/expenditures	(\$)	Not in year one

Education, Involvement, and Training

Estimated number of residents reached by education program(s)	(# or %)	60 %
Stormwater management committee established	(y/n)	Y
Stream teams established or supported	(# or y/n)	Y
Shoreline clean-up participation or quantity of shoreline miles cleaned	(y/n or mi.)	Y Not logged
Household Hazardous Waste Collection Days		
▪ days sponsored	(#)	1
▪ community participation	(%)	81 house holds
▪ material collected	(tons or gal)	Not available
School curricula implemented	(y/n)	N

Legal/Regulatory

	In Place Prior to Phase II	Under Review	Drafted	Adopted
Regulatory Mechanism Status (indicate with "X")				
▪ Illicit Discharge Detection & Elimination			X	
▪ Erosion & Sediment Control	X			
▪ Post-Development Stormwater Management				
Accompanying Regulation Status (indicate with "X")				

▪ Illicit Discharge Detection & Elimination				
▪ Erosion & Sediment Control				
▪ Post-Development Stormwater Management				

Mapping and Illicit Discharges

Outfall mapping complete	(%)	20
Estimated or actual number of outfalls	(#)	200
System-Wide mapping complete	(%)	10
Mapping method(s)		
▪ Paper/Mylar	(%)	0
▪ CADD	(%)	0
▪ GIS	(%)	100
Outfalls inspected/screened	(# or %)	0
Illicit discharges identified	(#)	0
Illicit connections removed	(#) (est. gpd)	0
% of population on sewer	(%)	Not available
% of population on septic systems	(%)	Not available

Construction

Number of construction starts (>1-acre)	(#)	Not available
Estimated percentage of construction starts adequately regulated for erosion and sediment control	(%)	Not available
Site inspections completed	(# or %)	10%
Tickets/Stop work orders issued	(# or %)	0
Fines collected	(# and \$)	0
Complaints/concerns received from public	(#)	2

Post-Development Stormwater Management

Estimated percentage of development/redevelopment projects adequately regulated for post-construction stormwater control	(%)	0
Site inspections completed	(# or %)	0
Estimated volume of stormwater recharged	(gpy)	0

Operations and Maintenance

Average frequency of catch basin cleaning (non-commercial/non-arterial streets)	(times/yr)	0
Average frequency of catch basin cleaning (commercial/arterial or other critical streets)	(times/yr)	0
Total number of structures cleaned	(#)	0
Storm drain cleaned	(LF or mi.)	0
Qty. of screenings/debris removed from storm sewer infrastructure	(lbs. or tons)	Not available
Disposal or use of sweepings (landfill, POTW, compost, recycle for sand, beneficial use, etc.)		Not available
Cost of screenings disposal	(\$)	Not available

Average frequency of street sweeping (non-commercial/non-arterial streets)	(times/yr)	2
Average frequency of street sweeping (commercial/arterial or other critical streets)	(times/yr)	2
Qty. of sand/debris collected by sweeping	(lbs. or tons)	Not available
Disposal of sweepings (landfill, POTW, compost, beneficial use, etc.)	(location)	landfill
Cost of sweepings disposal	(\$)	Not available
Vacuum street sweepers purchased/leased	(#)	N/A
Vacuum street sweepers specified in contracts	(y/n)	N/A

Reduction in application on public land of: ("N/A" = never used; "100%" = elimination)		
▪ Fertilizers	(lbs. or %)	0

▪ Herbicides	(lbs. or %)	0
▪ Pesticides	(lbs. or %)	0

Anti-/De-Icing products and ratios	% NaCl % CaCl ₂ % MgCl ₂ % CMA % Kac % KCl % Sand	30 70
Pre-wetting techniques utilized	(y/n)	N
Manual control spreaders used	(y/n)	N
Automatic or Zero-velocity spreaders used	(y/n)	Y
Estimated net reduction in typical year salt application	(lbs. or %)	Not available
Salt pile(s) covered in storage shed(s)	(y/n)	Y
Storage shed(s) in design or under construction	(y/n)	Y Second Shed